AISE Steel Technology
Index for 2002

List of Topics

AISE News

2001 Iron and Steel Exposition® and *AISE* Annual Convention, Jan., p 60
2001 Project Excellence Award, Jan., p 33
2001 Reliability Achievement Award, Jan., p 40
2002 *AISE* Annual Convention and Steel Expo, Oct., p 76
2002 Officers and Directors, Jan., p 23
2002 President's Message, Jan., p 22
2002 Standing Committees, Jan., p 30
2002-2003 District Section Officers, Nov./Dec., p 73
33 Members Complete 30 Years with *AISE*, Jan., p 29
A Heritage of Scholarship, Nov./Dec., p 69
A Message from the *AISE* President, June, p 7
A Tribute to Larry Maloney, June, p 17
AISE Loses Two Venerated Members, Mar., p 19
Bessemer Converter Rededicated at Pittsburgh's Station Square, Nov./Dec., p 70
David H. Samson Canadian Scholarship, Mar., p 61
Joseph A. Rutkowski Jr. Elected 2003 *AISE* President, Nov./Dec., p 72
Kelly Award Winners, Oct., p 75
National Merit Scholarship Winners Express Thanks, Apr., p 83
Scholarship Winners Announced, Nov./Dec., p 78

Bar and Shape Rolling

"A Model for Detailed Production Scheduling and Control of a Rolling Mill"—J. Janson, L. Dalke, K. Fazlollahi and L. Korsounski, Apr., p 24
"Continuous Vibration Monitoring of a 10-Stand Rod Block"—J.M. Schmidt Jr., R.E. Player, K.G. Quigley, R. Sander and S. Kouma, Jan., p 44
"Descaling of Long Products"—J. Gaydoul, Feb., p 41
"Finishing Mill Upgrades for High-Speed Rod Mills"—T.R. Statham and C.P. Fabris, Feb., p 45
"High-Speed Shear for Increased Profitability"—T.M. Shore, P. Riches and K. Plante, Feb., p 48
"Newest Technologies for Economical Sections for Production"—U. Svejkovsky, Feb., p 33
"Steel Dynamics Commissions Its New Structural and Rail Division"—F.E. Fonner, Nov./Dec., p 27

Coke Producing

"Combining Stamp Charging with the Heat Recovery Process"—G. Veit and P.F.X. D'Lima, July/Aug., p 24
"Environmental Comparison of the Heat Recovery Process and Competing Technologies"—C.P. Allen, and R.P. Huffman, July/Aug., p 40
"Installation of Two New U-Tube Cars at Great Lakes Div.'s No. 5 Battery"—C. Kiesling and P.M. Martin, July/Aug., p 58
"Replacement of the Collecting Mains on No. 6 Battery"—B.E. Doleman, W. Hutchison and T.J. Maurice, July/Aug., p 31
"Topside Rehabilitation of B Battery at Clairton Works"—D.A. Stoner, R.J. Karpeal and J. Williams, July/Aug., p 51

Continuous Casting

"Beam Blank Casting Technology"—H. Hoedl, F. Wimmer, F.K. Mayrhofer, J.S. Spiess, G. Hartmann, J.M. Dengler and H. Baumann, Sept., p 26
"Going Straight—The Vertical bending Conversion Concept for the 2-Strand Slab Caster at Ispat Inland"—R. Shah, R. Gass, J. Knoepke, J. Moscoe, R. Ashburn, J. Beck, P. Ponikvar, G. Fotakis, J. Arzberger and M. Rzepczyk, Sept., p 53
"Innovations in Rotary Joint Technology"—A.T. Ives and A.S. Poltorak, Sept., p 22
"Laser Alignment for the Caster Machine Repair Aisle"—D. Spinelli and B.J. Weir, Jan., p 46
"The Castrip® Process for Twin-Roll Casting of Steel Strip"—R.L. Weschler and J.J. Ferriola, Sept., p 69

Electric Steelmaking

"2001 Project Excellence Award Winner—Meltshop and Caster Modernization at AmeriSteel's Knoxville Mill Div."—T.J. Sack, W.M. Sage and D.E. Baker, Jan., p 34
"Advantages of High-Temperature Expanded PTFE Membrane Filter Bags"—F.D. Fereday and T.L. Fisher, Mar., p 51
"Development and Application of the DepthWave™ Slag Depth Measuring System"—G.A. Meszaros, J.G. Estocin, F.L. Kemeny and D.I. Walker Apr., p 20
"EAF Hot Metal Processing at Integrated Steel Plants"—A.A. Fior and R. Sellan, Mar., p 20
"EAF Productivity—A Never-Ending Story"—M. Hamy, A. Volkert, J. Lückhoff, M. Bock and J. Greinacher, Mar., p 38
"Hot Metal in EAFs"—M. Haissig and B. Villemin, Mar., p 41
"Opacity Monitor and Method 9 Observations to Triboelectric Broken Bag Detector Signals on an EAF Baghouse"—J.C. Wesselman and C.W. Askins, Apr., p 53
"The Advanced KT Injection System for High-Productivity EAFs"—V. Köster and F. Memoli, Mar., p 28
"Upgrade of EAF Productivity at Aceria Compacta de Bizkaia"—T. Schreiter, K-H. Deppner, J. Bader, R. Noerthemann and J.K. Cotchen, Mar., p 55

Electrical Engineering

"Electrical Modernization of Dofasco's Tinplate Process Lines"—J. Easlick, M.R. Finn, M.B. Botyrius, C.A. Landy and D. Shepherd, Nov./Dec., p 43
"Guidelines for DC-to-DC Crane Control Technology"—Electrical Working Group of *AISE* Subcommittee No. 6, Nov./Dec., p 65
"Multilevel IGBT Medium-Voltage AC Drives on a Common DC Link"—D. Begin, A. Dean, J-D. Chalot and C. Fenot, Oct., p 28

Energy and Combustion

"EAF Hot Metal Processing at Integrated Steel Plants"—A.A. Fior and R. Sellan, Mar., p 20
"Hot Metal in EAFs"—M. Haissig and B. Villemin, Mar., p 41
"Novel Method to Eliminate Reheating Furnace Skidmarks"—P.T. Mantyla, J. Sallinen and L.-G. Johansson, June, p 31

AISE Steel Technology
Index for 2002

List of Topics

AISE News

2001 Iron and Steel Exposition® and *AISE* Annual Convention, Jan., p 60
2001 Project Excellence Award, Jan., p 33
2001 Reliability Achievement Award, Jan., p 40
2002 *AISE* Annual Convention and Steel Expo, Oct., p 76
2002 Officers and Directors, Jan., p 23
2002 President's Message, Jan., p 22
2002 Standing Committees, Jan., p 30
2002-2003 District Section Officers, Nov./Dec., p 73
33 Members Complete 30 Years with *AISE*, Jan., p 29
A Heritage of Scholarship, Nov./Dec., p 69
A Message from the *AISE* President, June, p 7
A Tribute to Larry Maloney, June, p 17
AISE Loses Two Venerated Members, Mar., p 19
Bessemer Converter Rededicated at Pittsburgh's Station Square, Nov./Dec., p 70
David H. Samson Canadian Scholarship, Mar., p 61
Joseph A. Rutkowski Jr. Elected 2003 *AISE* President, Nov./Dec., p 72
Kelly Award Winners, Oct., p 75
National Merit Scholarship Winners Express Thanks, Apr., p 83
Scholarship Winners Announced, Nov./Dec., p 78

Bar and Shape Rolling

"A Model for Detailed Production Scheduling and Control of a Rolling Mill"—J. Janson, L. Dalke, K. Fazlollahi and L. Korsounski, Apr., p 24
"Continuous Vibration Monitoring of a 10-Stand Rod Block"—J.M. Schmidt Jr., R.E. Player, K.G. Quigley, R. Sander and S. Kouma, Jan., p 44
"Descaling of Long Products"—J. Gaydoul, Feb., p 41
"Finishing Mill Upgrades for High-Speed Rod Mills"—T.R. Statham and C.P. Fabris, Feb., p 45
"High-Speed Shear for Increased Profitability"—T.M. Shore, P. Riches and K. Plante, Feb., p 48
"Newest Technologies for Economical Sections for Production"—U. Svejkovsky, Feb., p 33
"Steel Dynamics Commissions Its New Structural and Rail Division"—F.E. Fonner, Nov./Dec., p 27

Coke Producing

"Combining Stamp Charging with the Heat Recovery Process"—G. Veit and P.F.X. D'Lima, July/Aug., p 24
"Environmental Comparison of the Heat Recovery Process and Competing Technologies"—C.P. Allen, and R.P. Huffman, July/Aug., p 40
"Installation of Two New U-Tube Cars at Great Lakes Div.'s No. 5 Battery"—C. Kiesling and P.M. Martin, July/Aug., p 58
"Replacement of the Collecting Mains on No. 6 Battery"—B.E. Doleman, W. Hutchison and T.J. Maurice, July/Aug., p 31
"Topside Rehabilitation of B Battery at Clairton Works"—D.A. Stoner, R.J. Karpeal and J. Williams, July/Aug., p 51

Continuous Casting

"Beam Blank Casting Technology"—H. Hoedl, F. Wimmer, F.K. Mayrhofer, J.S. Spiess, G. Hartmann, J.M. Dengler and H. Baumann, Sept., p 26
"Going Straight—The Vertical bending Conversion Concept for the 2-Strand Slab Caster at Ispat Inland"—R. Shah, R. Gass, J. Knoepke, J. Moscoe, R. Ashburn, J. Beck, P. Ponikvar, G. Fotakis, J. Arzberger and M. Rzepczyk, Sept., p 53
"Innovations in Rotary Joint Technology"—A.T. Ives and A.S. Poltorak, Sept., p 22
"Laser Alignment for the Caster Machine Repair Aisle"—D. Spinelli and B.J. Weir, Jan., p 46
"The Castrip® Process for Twin-Roll Casting of Steel Strip"—R.L. Weschler and J.J. Ferriola, Sept., p 69

Electric Steelmaking

"2001 Project Excellence Award Winner—Meltshop and Caster Modernization at AmeriSteel's Knoxville Mill Div."—T.J. Sack, W.M. Sage and D.E. Baker, Jan., p 34
"Advantages of High-Temperature Expanded PTFE Membrane Filter Bags"—F.D. Fereday and T.L. Fisher, Mar., p 51
"Development and Application of the DepthWave™ Slag Depth Measuring System"—G.A. Meszaros, J.G. Estocin, F.L. Kemeny and D.I. Walker Apr., p 20
"EAF Hot Metal Processing at Integrated Steel Plants"—A.A. Fior and R. Sellan, Mar., p 20
"EAF Productivity—A Never-Ending Story"—M. Hamy, A. Volkert, J. Lückhoff, M. Bock and J. Greinacher, Mar., p 38
"Hot Metal in EAFs"—M. Haissig and B. Villemin, Mar., p 41
"Opacity Monitor and Method 9 Observations to Triboelectric Broken Bag Detector Signals on an EAF Baghouse"—J.C. Wesselman and C.W. Askins, Apr., p 53
"The Advanced KT Injection System for High-Productivity EAFs"—V. Köster and F. Memoli, Mar., p 28
"Upgrade of EAF Productivity at Aceria Compacta de Bizkaia"—T. Schreiter, K-H. Deppner, J. Bader, R. Noerthemann and J.K. Cotchen, Mar., p 55

Electrical Engineering

"Electrical Modernization of Dofasco's Tinplate Process Lines"—J. Easlick, M.R. Finn, M.B. Botyrius, C.A. Landy and D. Shepherd, Nov./Dec., p 43
"Guidelines for DC-to-DC Crane Control Technology"—Electrical Working Group of *AISE* Subcommittee No. 6, Nov./Dec., p 65
"Multilevel IGBT Medium-Voltage AC Drives on a Common DC Link"—D. Begin, A. Dean, J-D. Chalot and C. Fenot, Oct., p 28

Energy and Combustion

"EAF Hot Metal Processing at Integrated Steel Plants"—A.A. Fior and R. Sellan, Mar., p 20
"Hot Metal in EAFs"—M. Haissig and B. Villemin, Mar., p 41
"Novel Method to Eliminate Reheating Furnace Skidmarks"—P.T. Mantyla, J. Sallinen and L.-G. Johansson, June, p 31

LIST OF TOPICS

"NOx Controls for Steel Industry Sources"—E.J. Duckett Apr., p 43
"The Advanced KT Injection System for High-Productivity EAFs"—V. Köster and F. Memoli, Mar., p 28
"Two-Stove Operation at Dofasco's No. 3 Blast Furnace"—A. Petrucelli, M.J. Pin, J.P. Denomme and R.J. Donaldson, May, p 28

Environmental Engineering

"Advantages of High-Temperature Expanded PTFE Membrane Filter Bags"—F.D. Fereday and T.L. Fisher, Mar., p 51
"Environmental Comparison of the Heat Recovery Process and Competing Technologies"—C.P. Allen, and R.P. Huffman, July/Aug., p 40
"Installation of Two New U-Tube Cars at Great Lakes Div.'s No. 5 Battery"—C. Kiesling and P.M. Martin, July/Aug., p 58
"NOx Controls for Steel Industry Sources"—E.J. Duckett Apr., p 43
"Opacity Monitor and Method 9 Observations to Triboelectric Broken Bag Detector Signals on an EAF Baghouse"—J.C. Wesselman and C.W. Askins, Apr., p 53
"Replacement of the Collecting Mains on No. 6 Battery"—B.E. Doleman, W. Hutchison and T.J. Maurice, July/Aug., p 31
"Topside Rehabilitation of B Battery at Clairton Works"—D.A. Stoner, R.J. Karpeal and J. Williams, July/Aug., p 51

Flat Products Rolling and Finishing

"Addition of an Acrylic Roll Coater to the No. 4 Hot Dip Galvanizing Line"—M.A. Mirza and J.S. Floyd, Nov./Dec., p 36
"Batch Annealing Modernization at California Steel Industries"—D.W. Johnson, H.E. Parker, M.W. McDonald and C.G. Williams, Nov./Dec., p 52
"Cold Mill Modernization at U. S. Steel Mon Valley Works"—B.J. Pindrock, G.J. Readal, W.J. Ketter and P.J. Nagy, Apr., p 32
"Electrical Modernization of Dofasco's Tinplate Process Lines"—J. Easlick, M.R. Finn, M.B. Botyrius, C.A. Landy and D. Shepherd, Nov./Dec., p 43
"Forced Coil Cooling for Optimized Coil Storage and Transportation"—H. Thorn and C. Brockway, June, p 36
"In-line Bar Joining—A Key Technology for Endless Hot Rolling"—K. Horii, T. Funamoto, J. Lee, J. Kim and Y. Kim, June, p 55
"Novel Method to Eliminate Reheating Furnace Skidmarks"—P.T. Mantyla, J. Sallinen and L.-G. Johansson, June, p 31
"Pickle Line Tandem Cold Mill Fire Recovery Project at USS-Posco Industries"—R.P. Simpson, Nov./Dec., p 60
"Ultrafine Grained Steel Production at the New Nakayama Hot Strip Mill"—I. Chikushi, M. Kozaki, R. Kurahashi, M. Takahashi, A. Adachi and S. Takaoka, June, p 42

Iron Producing

"Evaluation of an Efficiency Enhancer for Granulated Coal Injection"—D.G. Hill, D. Durko, M. Dwelly, C. Meyer and P.J. Doyle, May, p 43
"Improving the Desulfurization Process Using Adaptive Multivariate Statistical Modeling"—S.L. Quinn and V. Vaculik, Oct., p 37
"OxiCup Process for Recycling Steel Mill Waste Oxides"—C. Bartels-vonVarnbüler, M. Peters and R.H. Schueller, May, p 49
"Sinter Plant Automation at Wuhan Iron and Steel"—S. Wendong, D. Bettinger, G. Straka and K.D. Stohl, May, p 36
"Two-Stove Operation at Dofasco's No. 3 Blast Furnace"—A. Petrucelli, M.J. Pin, J.P. Denomme and R.J. Donaldson, May, p 28

Lubrication and Hydraulics

"Ask the Experts—Bearing, Lubrication and Hydraulic Questions"—D.R. Cooley, T.L. Lantz, D.A. Lauer, D.D. McCoy, R. McDowell, R.A. Schrama, C.A. Totten and M.L. Smith, June, p 62
"Total Fluid Management from the Steel Mill's Perspective"—T.L. Lantz, Jan., p 52

Maintenance Technology

"2001 Reliability Achievement Award Winner—Supplier City Concept for Material Management and Support"—J.W. Wonsettler, Jan., p 41
"Automatic Vibration Analysis and Trending for Complex Drives"—G. Helekal, G. Spindler, R. Luftensteiner, C. Riegler and H. Aigner, Oct., p 43
"Continuous Vibration Monitoring of a 10-Stand Rod Block"—J.M. Schmidt Jr., R.E. Player, K.G. Quigley, R. Sander and S. Kouma, Jan., p 44
"Electrical Modernization of Dofasco's Tinplate Process Lines"—J. Easlick, M.R. Finn, M.B. Botyrius, C.A. Landy and D. Shepherd, Nov./Dec., p 43
"Guidelines for DC-to-DC Crane Control Technology"—Electrical Working Group of *AISE* Subcommittee No. 6, Nov./Dec., p 65
"Innovations in Rotary Joint Technology"—A.T. Ives and A.S. Poltorak, Sept., p 22
"Laser Alignment for the Caster Machine Repair Aisle"—D. Spinelli and B.J. Weir, Jan., p 46
"Plain Journal and Tilting Pad Bearing Damage—Analysis, Corrective Action and Alternative Solutions"—K. Bischof, H. Smith and D. Evans, Oct., p 51
"Procedure for Changing Cables on a Hot Metal Crane"—R.L. Davis, Jan., p 48
"Total Fluid Management from the Steel Mill's Perspective"—T.L. Lantz, Jan., p 52
"Utilizing Advanced Technologies to Implement Condition-Based Maintenance"—J.P. Evans, Oct., p 68

Oxygen Steelmaking

"20/20 Project at U. S. Steel's Gary Works"—J.V. Greenwell, J.D. Lajun and O.F. Angeles, Sept., p 35
"BOF Taphole Drill"—M.P. Miller, Sept., p 48
"Development and Application of the DepthWave™ Slag Depth Measuring System"—G.A. Meszaros, J.G. Estocin, F.L. Kemeny and D.I. Walker Apr., p 20

Plate Rolling

"Plate Cooling—Technologies and Market Requirements"—J.F. Evans and M.T. Clark, June, p 49

Product Quality

"Descaling of Long Products"—J. Gaydoul, Feb., p 41
"Plate Cooling—Technologies and Market Requirements"—J.F. Evans and M.T. Clark, June, p 49
"Ultrafine Grained Steel Production at the New Nakayama Hot Strip Mill"—I. Chikushi, M. Kozaki, R. Kurahashi, M. Takahashi, A. Adachi and S. Takaoka, June, p 42

Project Management

"20/20 Project at U. S. Steel's Gary Works"—J.V. Greenwell, J.D. Lajun and O.F. Angeles, Sept., p 35
"2001 Project Excellence Award Winner—Meltshop and Caster Modernization at AmeriSteel's Knoxville Mill Div."—T.J. Sack, W.M. Sage and D.E. Baker, Jan., p 34
"Addition of an Acrylic Roll Coater to the No. 4 Hot Dip Galvanizing Line"—M.A. Mirza and J.S. Floyd, Nov./Dec., p 36

"Batch Annealing Modernization at California Steel Industries"—D.W. Johnson, H.E. Parker, M.W. McDonald and C.G. Williams, Nov./Dec., p 52
"Cold Mill Modernization at U. S. Steel Mon Valley Works"—B.J. Pindrock, G.J. Readal, W.J. Ketter and P.J. Nagy, Apr., p 32
"Electrical Modernization of Dofasco's Tinplate Process Lines"—J. Easlick, M.R. Finn, M.B. Botyrius, C.A. Landy and D. Shepherd, Nov./Dec., p 43
"Going Straight—The Vertical bending Conversion Concept for the 2-Strand Slab Caster at Ispat Inland"—R. Shah, R. Gass, J. Knoepke, J. Moscoe, R. Ashburn, J. Beck, P. Ponikvar, G. Fotakis, J. Arzberger and M. Rzepczyk, Sept., p 53
"Improving Capital Effectiveness Through Culture Change"—J.G. Wachter and L.E. Scott, Oct., p 60
"Installation of Two New U-Tube Cars at Great Lakes Div.'s No. 5 Battery"—C. Kiesling and P.M. Martin, July/Aug., p 58
"Pickle Line Tandem Cold Mill Fire Recovery Project at USS-Posco Industries"—R.P. Simpson, Nov./Dec., p 60
"Replacement of the Collecting Mains on No. 6 Battery"—B.E. Doleman, W. Hutchison and T.J. Maurice, July/Aug., p 31
"Steel Dynamics Commissions Its New Structural and Rail Division"—F.E. Fonner, Nov./Dec., p 27
"TAMCO Increases Capacity by 30% with Modernization Program"—F.E. Fonner, May, p 19
"Topside Rehabilitation of B Battery at Clairton Works"—D.A. Stoner, R.J. Karpeal and J. Williams, July/Aug., p 51
"Ultrafine Grained Steel Production at the New Nakayama Hot Strip Mill"—I. Chikushi, M. Kozaki, R. Kurahashi, M. Takahashi, A. Adachi and S. Takaoka, June, p 42
"Upgrade of EAF Productivity at Aceria Compacta de Bizkaia"—T. Schreiter, K-H. Deppner, J. Bader, R. Noerthemann and J.K. Cotchen, Mar., p 55

Sensor Applications

"Automatic Vibration Analysis and Trending for Complex Drives"—G. Helekal, G. Spindler, R. Luftensteiner, C. Riegler and H. Aigner, Oct., p 43
"Development and Application of the DepthWave™ Slag Depth Measuring System"—G.A. Meszaros, J.G. Estocin, F.L. Kemeny and D.I. Walker Apr., p 20
"Improving Flow Measurement in the Steel Industry"—S.R. Mawhinney and B. Shanahan, Apr., p 39
"Opacity Monitor and Method 9 Observations to Triboelectric Broken Bag Detector Signals on an EAF Baghouse"—J.C. Wesselman and C.W. Askins, Apr., p 53 AISE

REDUCE COST
Engineered Parts for Rolling Mills
• Filler Plates
• Window Liners
• Coupling Parts
• Large Bushings
• Table Rolls
• Chuck Liners
• Thrust Collars
Timco Inc. — Your Primary Source For Engineered Plastic Parts
TIMCO
1-800-792-0030
Timco Inc.
PO Box 2059, Peekskill, NY 10566
Tel: 914-736-0206 • Fax: 914-736-0395
E-mail: timco@bestweb.net

Rest easier when we make your bed

Since 1981 our customers have slept well knowing that North America's largest bar and structural mill cooling bed specialist was taking care of their bed. Think of us as your economical alternative to new beds and sleepless nights.

Have you booked your shutdown yet?

GMB

GMB Heavy Industries Contact Iain Barnie
T 905 565.0950 E iainb@gmbindustries.com
www.gmbindustries.com

REBUILDS | CONVERSIONS | ALIGNMENTS | RELATED EQUIPMENT

LIST OF AUTHORS

A

Adachi, A.; Takaoka, S.; Chikushi, I.; Kozaki, M.; Kurahashi, R.; and Takahashi, M.—"Ultrafine Grained Steel Production at the New Nakayama Hot Strip Mill," June, p 42

Aigner, H.; Helekal, G.; Spindler, G.; Luftensteiner, R.; and Reigler, C.—"Automatic Vibration Analysis and Trending for Complex Drives," Oct., p 43

Allen, C.P., and Huffman, R.P.—"Environmental Comparison of the Heat Recovery Process and Competing Technologies," July/Aug., p 40

Angeles, O.F.; Greenwell, J.V.; and Lajun, J.D.—"20/20 Project at U. S. Steel's Gary Works," Sept., p 35

Arzberger, J.; Shah, R.; Gass, R.; Knoepke, J.; Moscoe, J.; Ashburn, R.; Beck, J.; Ponikvar, P.; Fotakis, G.; and Rzepczyk, M.—"Going Straight—The Vertical bending Conversion Concept for the 2-Strand Slab Caster at Ispat Inland," Sept., p 53

Ashburn, R.; Shah, R.; Gass, R.; Knoepke, J.; Moscoe, J.; Beck, J.; Ponikvar, P.; Fotakis, G.; Arzberger, J.; and Rzepczyk, M.—"Going Straight—The Vertical bending Conversion Concept for the 2-Strand Slab Caster at Ispat Inland," Sept., p 53

Askins, C.W., and Wesselman, J.C.—"Opacity Monitor and Method 9 Observations to Triboelectric Broken Bag Detector Signals on an EAF Baghouse," Apr., p 53

B

Bader, J.; Noerthemann, R.; Cotchen, J.K.; Schreiter, T.; and Deppner, K-H.—"Upgrade of EAF Productivity at Aceria Compacta de Bizkaia," Mar., p 55

Baker, D.E.; Sack, T.J.; and Sage, W.M.—"2001 Project Excellence Award Winner—Meltshop and Caster Modernization at AmeriSteel's Knoxville Mill Div.," Jan., p 34

Bartels-vonVarnbüler, C.; Peters, M.; and Schueller, R.H.—"OxiCup Process for Recycling Steel Mill Waste Oxides," May, p 49

Baumann, H.; Hoedl, H.; Wimmer, F.; Mayrhofer, F.K.; Spiess, J.S.; Hartmann, G.; and Dengler, J.M.—"Beam Blank Casting Technology," Sept., p 26

Beck, J.; Shah, R.; Gass, R.; Knoepke, J.; Moscoe, J.; Ashburn, R.; Ponikvar, P.; Fotakis, G.; Arzberger, J.; and Rzepczyk, M.—"Going Straight—The Vertical bending Conversion Concept for the 2-Strand Slab Caster at Ispat Inland," Sept., p 53

Begin, D.; Dean, A.; Chalot, J-D.; and Fenot, C.—"Multilevel IGBT Medium-Voltage AC Drives on a Common DC Link," Oct., p 28

Bettinger, D.; Straka, G.; Stohl, K.D.; and Wendong, S.—"Sinter Plant Automation at Wuhan Iron and Steel," May, p 36

Bischof, K.; Smith, H.; and Evans, D.—"Plain Journal and Tilting Pad Bearing Damage—Analysis, Corrective Action and Alternative Solutions," Oct., p 51

Bock, M.; Greinacher, J.; Hamy, M.; Volkert, A.; and Lückhoff, J.—"EAF Productivity—A Never-Ending Story," Mar., p 38

Botyrius, M.B.; Landy, C.A.; Shepherd, D.; Easlick, J.; and Finn, M.R.—"Electrical Modernization of Dofasco's Tinplate Process Lines," Nov./Dec., p 43

Brockway, C., and Thorn, H.—"Forced Coil Cooling for Optimized Coil Storage and Transportation," June, p 36

C

Chainer, J.—"Innovation in Motion—ULSAB Advanced Vehicle Concept," July/Aug., p 69

Chainer, J.—"Saving Our Planet, One Facility at a Time," Apr., p 65

Chainer, J.—"Without Engineering the World Stops," Feb., p 51

Chalot, J-D.; Dean, A.; Begin, D.; and Fenot, C.—"Multilevel IGBT Medium-Voltage AC Drives on a Common DC Link," Oct., p 28

Chikushi, I.; Kozaki, M.; Kurahashi, R.; Takahashi, M.; Adachi, A.; and Takaoka, S.—"Ultrafine Grained Steel Production at the New Nakayama Hot Strip Mill," June, p 42

Clark, M.T., and Evans, J.F.—"Plate Cooling—Technologies and Market Requirements," June, p 49

Cooley, D.R.; Lantz, T.L.; Lauer, D.A.; McCoy, D.D.; McDowell, R.; Schrama, R.A.; Totten, C.A.; and Smith, M.L.—"Ask the Experts—Bearing, Lubrication and Hydraulic Questions," June, p 62

Cotchen, J.K.; Schreiter, T.; Deppner, K-H.; Bader, J.; and Noerthemann, R.—"Upgrade of EAF Productivity at Aceria Compacta de Bizkaia," Mar., p 55

D

Dalke, L.; Fazlollahi, K.; Korsounski, L.; and Janson, J.—"A Model for Detailed Production Scheduling and Control of a Rolling Mill," Apr., p 24

Davis, R.L.—"Procedure for Changing Cables on a Hot Metal Crane," Jan., p 48

Dean, A.; Begin, D.; Chalot, J-D.; and Fenot, C.—"Multilevel IGBT Medium-Voltage AC Drives on a Common DC Link," Oct., p 28

Dengler, J.M.; Hoedl, H.; Wimmer, F.; Mayrhofer, F.K.; Spiess, J.S.; Hartmann, G.; and Baumann, H.—"Beam Blank Casting Technology," Sept., p 26

Denomme, J.P.; Donaldson, R.J.; Petrucelli, A.; and Pin, M.J.—"Two-Stove Operation at Dofasco's No. 3 Blast Furnace," May, p 28

Deppner, K-H.; Bader, J.; Noerthemann, R.; Cotchen, J.K.; and Schreiter, T.—"Upgrade of EAF Productivity at Aceria Compacta de Bizkaia," Mar., p 55

D'Lima, P.F.X., and Veit, G.—"Combining Stamp Charging with the Heat Recovery Process," July/Aug., p 24

Doleman, B.E.; Hutchison, W.; and Maurice, T.J.—"Replacement of the Collecting Mains on No. 6 Battery," July/Aug., p 31

Donaldson, R.J.; Petrucelli, A.; Pin, M.J.; and Denomme, J.P.—"Two-Stove Operation at Dofasco's No. 3 Blast Furnace," May, p 28

Doyle, P.J.; Hill, D.G.; Durko, D.; Dwelly, M.; and Meyer, C.—"Evaluation of an Efficiency Enhancer for Granulated Coal Injection," May, p 43

Duckett, E.J.—"NOx Controls for Steel Industry Sources," Apr., p 43

Durko, D.; Dwelly, M.; Meyer, C.; Doyle, P.J.; and Hill, D.G.—"Evaluation of an Efficiency Enhancer for Granulated Coal Injection," May, p 43

Dwelly, M.; Meyer, C.; Doyle, P.J.; Hill, D.G.; and Durko, D.—"Evaluation of an Efficiency Enhancer for Granulated Coal Injection," May, p 43

E

Easlick, J.; Finn, M.R.; Botyrius, M.B.; Landy, C.A.; and Shepherd, D.—"Electrical Modernization of Dofasco's Tinplate Process Lines," Nov./Dec., p 43

Electrical Working Group of *AISE* Subcommittee No. 6—"Guidelines for DC-to-DC Crane Control Technology," Nov./Dec., p 65

Estocin, J.G.; Kemeny, F.L.; Walker, D.I.; and Meszaros, G.A.—"Development and Application of the DepthWave™ Slag Depth Measuring System," Apr., p 20

Evans, D.; Bischof, K.; and Smith, H.—"Plain Journal and Tilting Pad Bearing Damage—Analysis, Corrective Action and Alternative Solutions," Oct., p 51

Evans, J.F., and Clark, M.T.—"Plate Cooling—Technologies and Market Requirements," June, p 49
Evans, J.P.—"Utilizing Advanced Technologies to Implement Condition-Based Maintenance," Oct., p 68

F

Fabris, C.P., and Statham, T.R.—"Finishing Mill Upgrades for High-Speed Rod Mills," Feb., p 45
Fazlollahi, K.; Korsounski, L.; Janson, J.; and Dalke, L.—"A Model for Detailed Production Scheduling and Control of a Rolling Mill," Apr., p 24
Fenot, C.; Dean, A.; Begin, D.; and Chalot, J-D.—"Multilevel IGBT Medium-Voltage AC Drives on a Common DC Link," Oct., p 28
Fereday, F.D., and Fisher, T.L.—"Advantages of High-Temperature Expanded PTFE Membrane Filter Bags," Mar., p 51
Ferriola, J.J., and Weschler, R.L.—"The Castrip® Process for Twin-Roll Casting of Steel Strip," Sept., p 69
Finn, M.R.; Botyrius, M.B.; Landy, C.A.; Shepherd, D.; and Easlick, J.—"Electrical Modernization of Dofasco's Tinplate Process Lines," Nov./Dec., p 43
Fior, A.A., and Sellan, R.—"EAF Hot Metal Processing at Integrated Steel Plants," Mar., p 20
Fisher, T.L., and Fereday, F.D.—"Advantages of High-Temperature Expanded PTFE Membrane Filter Bags," Mar., p 51
Floyd, J.S., and Mirza, M.A.—"Addition of an Acrylic Roll Coater to the No. 4 Hot Dip Galvanizing Line," Nov./Dec., p 36
Fonner, F.E.—"Developments in the North American Iron and Steel Industry—2001," Feb., p 25
Fonner, F.E.—"Steel Dynamics Commissions Its New Structural and Rail Division," Nov./Dec., p 27
Fonner, F.E.—"TAMCO Increases Capacity by 30% with Modernization Program," May, p 19
Fotakis, G.; Shah, R.; Gass, R.; Knoepke, J.; Moscoe, J.; Ashburn, R.; Beck, J.; Ponikvar, P.; Arzberger, J.; and Rzepczyk, M.—"Going Straight—The Vertical bending Conversion Concept for the 2-Strand Slab Caster at Ispat Inland," Sept., p 53
Funamoto, T.; Lee, J.; Kim, J.; Kim, Y.; and Horii, K.—"In-line Bar Joining—A Key Technology for Endless Hot Rolling"—June, p 55

G

Gass, R.; Shah, R.; Knoepke, J.; Moscoe, J.; Ashburn, R.; Beck, J.; Ponikvar, P.; Fotakis, G.; Arzberger, J.; and Rzepczyk, M.—"Going Straight—The Vertical bending Conversion Concept for the 2-Strand Slab Caster at Ispat Inland," Sept., p 53
Greenwell, J.V.; Lajun, J.D.; and Angeles, O.F.—"20/20 Project at U. S. Steel's Gary Works," Sept., p 35
Greinacher, J.; Hamy, M.; Volkert, A.; Lückhoff, J.; and Bock, M.—"EAF Productivity—A Never-Ending Story," Mar., p 38

H

Haissig, M., and Villemin, B.—"Hot Metal in EAFs," Mar., p 41
Hamy, M.; Volkert, A.; Lückhoff, J.; Bock, M.; and Greinacher, J.—"EAF Productivity—A Never-Ending Story," Mar., p 38
Hartmann, G.; Hoedl, H.; Wimmer, F.; Mayrhofer, F.K.; Spiess, J.S.; Dengler, J.M.; and Baumann, H.—"Beam Blank Casting Technology," Sept., p 26
Heenan, B.—"TheSteelAlliance—A Public Awareness Campaign for the North American Steel Industry," Feb., p 21
Helekal, G.; Spindler, G.; Luftensteiner, R.; Reigler, C.; and Aigner, H.—"Automatic Vibration Analysis and Trending for Complex Drives," Oct., p 43
Hill, D.G.; Durko, D.; Dwelly, M.; Meyer, C.; and Doyle, P.J.—"Evaluation of an Efficiency Enhancer for Granulated Coal Injection," May, p 43
Hoedl, H.; Wimmer, F.; Mayrhofer, F.K.; Spiess, J.S.; Hartmann, G.; Dengler, J.M.; and Baumann, H.—"Beam Blank Casting Technology," Sept., p 26
Horii, K.; Funamoto, T.; Lee, J.; Kim, J.; and Kim, Y.—"In-line Bar Joining—A Key Technology for Endless Hot Rolling"—June, p 55
Huffman, R.P., and Allen, C.P.—"Environmental Comparison of the Heat Recovery Process and Competing Technologies," July/Aug., p 40
Hutchison, W.; Maurice, T.J.; and Doleman, B.E.—"Replacement of the Collecting Mains on No. 6 Battery," July/Aug., p 31

I

Ives, A.T., and Poltorak, A.S.—"Innovations in Rotary Joint Technology," Sept., p 22

J

Janson, J.; Dalke, L.; Fazlollahi, K.; and Korsounski, L.—"A Model for Detailed Production Scheduling and Control of a Rolling Mill," Apr., p 24
Johansson, L-G.; Mantyla, P.T.; and Sallinen, J.—"Novel Method to Eliminate Reheating Furnace Skidmarks," June, p 31
Johnson, D.W.; Parker, H.E.; McDonald, M.W.; and Williams, C.G.—"Batch Annealing Modernization at California Steel Industries," Nov./Dec., p 52
Jürgen, G.—"Descaling of Long Products," Feb., p 41

K

Karpeal, R.J.; Williams, J.; and Stoner, D.A.—"Topside Rehabilitation of B Battery at Clairton Works," July/Aug., p 51
Kemeny, F.L.; Walker, D.I.; Meszaros, G.A.; and Estocin, J.G.—"Development and Application of the DepthWave™ Slag Depth Measuring System," Apr., p 20
Ketter, W.J.; Nagy, P.J.; Pindrock, B.J.; and Readal, G.J.—"Cold Mill Modernization at U. S. Steel Mon Valley Works," Apr., p 32
Kiesling, C., and Martin, P.M.—"Installation of Two New U-Tube Cars at Great Lakes Div.'s No. 5 Battery," July/Aug., p 58
Kim, J.; Kim, Y.; Horii, K.; Funamoto, T.; and Lee, J.—"In-line Bar Joining—A Key Technology for Endless Hot Rolling"—June, p 55
Kim, Y.; Horii, K.; Funamoto, T.; Lee, J.; and Kim, J.—"In-line Bar Joining—A Key Technology for Endless Hot Rolling"—June, p 55
Knoepke, J.; Shah, R.; Gass, R.; Moscoe, J.; Ashburn, R.; Beck, J.; Ponikvar, P.; Fotakis, G.; Arzberger, J.; and Rzepczyk, M.—"Going Straight—The Vertical bending Conversion Concept for the 2-Strand Slab Caster at Ispat Inland," Sept., p 53
Korsounski, L.; Janson, J.; Dalke, L.; and Fazlollahi, K.—"A Model for Detailed Production Scheduling and Control of a Rolling Mill," Apr., p 24
Köster, V., and Memoli, F.—"The Advanced KT Injection System for High-Productivity EAFs," Mar., p 28
Kouma, S.; Schmidt Jr., J.M.; Player, R.E.; Quigley, K.G.; and Sander, R.—"Continuous Vibration Monitoring of a 10-Stand Rod Block," Jan., p 44
Kozaki, M.; Kurahashi, R.; Takahashi, M.; Adachi, A.; Takaoka, S.; and Chikushi, I.—"Ultrafine Grained Steel Production at the New Nakayama Hot Strip Mill," June, p 42

Kurahashi, R.; Takahashi, M.; Adachi, A.; Takaoka, S.; Chikushi, I.; and Kozaki, M.—"Ultrafine Grained Steel Production at the New Nakayama Hot Strip Mill," June, p 42

L

Lajun, J.D.; Angeles, O.F.; and Greenwell, J.V.—"20/20 Project at U. S. Steel's Gary Works," Sept., p 35
Landy, C.A.; Shepherd, D.; Easlick, J.; Finn, M.R.; and Botyrius, M.B.—"Electrical Modernization of Dofasco's Tinplate Process Lines," Nov./Dec., p 43
Lantz, T.L.; Cooley, D.R.; Lauer, D.A.; McCoy, D.D.; McDowell, R.; Schrama, R.A.; Totten, C.A.; and Smith, M.L.—"Ask the Experts—Bearing, Lubrication and Hydraulic Questions," June, p 62
Lantz, T.L.—"Total Fluid Management from the Steel Mill's Perspective," Jan., p 52
Lauer, D.A.; Cooley, D.R.; Lantz, T.L.; McCoy, D.D.; McDowell, R.; Schrama, R.A.; Totten, C.A.; and Smith, M.L.—"Ask the Experts—Bearing, Lubrication and Hydraulic Questions," June, p 62
Lee, J.; Kim, J.; Kim, Y.; Horii, K.; and Funamoto, T.—"In-line Bar Joining—A Key Technology for Endless Hot Rolling"—June, p 55
Lückhoff, J.; Bock, M.; Greinacher, J.; Hamy, M.; and Volkert, A.—"EAF Productivity—A Never-Ending Story," Mar., p 38
Luftensteiner, R.; Helekal, G.; Spindler, G.; Reigler, C.; and Aigner, H.—"Automatic Vibration Analysis and Trending for Complex Drives," Oct., p 43

M

Mantyla, P.T.; Sallinen, J.; and Johansson, L-G.—"Novel Method to Eliminate Reheating Furnace Skidmarks," June, p 31
Martin, P.M., and Kiesling, C.—"Installation of Two New U-Tube Cars at Great Lakes Div.'s No. 5 Battery," July/Aug., p 58
Maurice, T.J.; Doleman, B.E.; and Hutchison, W.—"Replacement of the Collecting Mains on No. 6 Battery," July/Aug., p 31
Mawhinney, S.R., and Shanahan, B.—"Improving Flow Measurement in the Steel Industry," Apr., p 39
Mayrhofer, F.K.; Hoedl, H.; Wimmer, F.; Spiess, J.S.; Hartmann, G.; Dengler, J.M.; and Baumann, H.—"Beam Blank Casting Technology," Sept., p 26
McCoy, D.D.; Cooley, D.R.; Lantz, T.L.; Lauer, D.A.; McDowell, R.; Schrama, R.A.; Totten, C.A.; and Smith, M.L.—"Ask the Experts—Bearing, Lubrication and Hydraulic Questions," June, p 62
McDonald, M.W.; Williams, C.G.; Johnson, D.W.; and Parker, H.E.—"Batch Annealing Modernization at California Steel Industries," Nov./Dec., p 52
McDowell, R.; Cooley, D.R.; Lantz, T.L.; Lauer, D.A.; McCoy, D.D.; Schrama, R.A.; Totten, C.A.; and Smith, M.L.—"Ask the Experts—Bearing, Lubrication and Hydraulic Questions," June, p 62
Memoli, F., and Koster, V.—"The Advanced KT Injection System for High-Productivity EAFs," Mar., p 28
Meszaros, G.A.; Estocin, J.G.; Kemeny, F.L.; and Walker, D.I.—"Development and Application of the DepthWave™ Slag Depth Measuring System," Apr., p 20
Meyer, C.; Doyle, P.J.; Hill, D.G.; Durko, D.; and Dwelly, M.—"Evaluation of an Efficiency Enhancer for Granulated Coal Injection," May, p 43
Miller, M.P.—"BOF Taphole Drill," Sept., p 48
Mirza, M.A., and Floyd, J.S.—"Addition of an Acrylic Roll Coater to the No. 4 Hot Dip Galvanizing Line," Nov./Dec., p 36
Moscoe, J.; Shah, R.; Gass, R.; Knoepke, J.; Ashburn, R.; Beck, J.; Ponikvar, P.; Fotakis, G.; Arzberger, J.; and Rzepczyk, M.—"Going Straight—The Vertical bending Conversion Concept for the 2-Strand Slab Caster at Ispat Inland," Sept., p 53

N

Nagy, P.J.; Pindrock, B.J.; Readal, G.J.; and Ketter, W.J.—"Cold Mill Modernization at U. S. Steel Mon Valley Works," Apr., p 32
Noerthemann, R.; Cotchen, J.K.; Schreiter, T.; Deppner, K-H.; and Bader, J.—"Upgrade of EAF Productivity at Aceria Compacta de Bizkaia," Mar., p 55

P

Parker, H.E.; McDonald, M.W.; Williams, C.G.; and Johnson, D.W.—"Batch Annealing Modernization at California Steel Industries," Nov./Dec., p 52
Peters, M.; Schueller, R.H.; and Bartels-vonVarnbüler, C.—"OxiCup Process for Recycling Steel Mill Waste Oxides," May, p 49
Petrucelli, A.; Pin, M.J.; Denomme, J.P.; and Donaldson, R.J.—"Two-Stove Operation at Dofasco's No. 3 Blast Furnace," May, p 28
Pin, M.J.; Denomme, J.P.; Donaldson, R.J.; and Petrucelli, A.—"Two-Stove Operation at Dofasco's No. 3 Blast Furnace," May, p 28
Pindrock, B.J.; Readal, G.J.; Ketter, W.J.; and Nagy, P.J.—"Cold Mill Modernization at U. S. Steel Mon Valley Works," Apr., p 32
Plante, K.; Shore, T.M.; and Riches, P.—"High-Speed Shear for Increased Profitability," Feb., p 48
Player, R.E.; Quigley, K.G.; Sander, R.; Kouma, S.; and Schmidt Jr., J.M.—"Continuous Vibration Monitoring of a 10-Stand Rod Block," Jan., p 44
Poltorak, A.S., and Ives, A.T.—"Innovations in Rotary Joint Technology," Sept., p 22
Ponikvar, P.; Shah, R.; Gass, R.; Knoepke, J.; Moscoe, J.; Ashburn, R.; Beck, J.; Fotakis, G.; Arzberger, J.; and Rzepczyk, M.—"Going Straight—The Vertical bending Conversion Concept for the 2-Strand Slab Caster at Ispat Inland," Sept., p 53

Q

Quigley, K.G.; Sander, R.; Kouma, S.; Schmidt Jr., J.M.; and Player, R.E.—"Continuous Vibration Monitoring of a 10-Stand Rod Block," Jan., p 44
Quinn, S.L., and Vaculik, V.—"Improving the Desulfurization Process Using Adaptive Multivariate Statistical Modeling," Oct., p 37

R

Readal, G.J.; Ketter, W.J.; Nagy, P.J.; and Pindrock, B.J.—"Cold Mill Modernization at U. S. Steel Mon Valley Works," Apr., p 32
Reigler, C.; Helekal, G.; Spindler, G.; Luftensteiner, R.; and Aigner, H.—"Automatic Vibration Analysis and Trending for Complex Drives," Oct., p 43
Riches, P.; Plante, K.; and Shore, T.M.—"High-Speed Shear for Increased Profitability," Feb., p 48
Rzepczyk, M.; Shah, R.; Gass, R.; Knoepke, J.; Moscoe, J.; Ashburn, R.; Beck, J.; Ponikvar, P.; Fotakis, G.; and Arzberger, J.—"Going Straight—The Vertical bending Conversion Concept for the 2-Strand Slab Caster at Ispat Inland," Sept., p 53

S

Sack, T.J.; Sage, W.M.; and Baker, D.E.—"2001 Project Excellence Award Winner—Meltshop and Caster

Modernization at AmeriSteel's Knoxville Mill Div.," Jan., p 34
Sage, W.M.; Baker, D.E.; and Sack, T.J.—"2001 Project Excellence Award Winner—Meltshop and Caster Modernization at AmeriSteel's Knoxville Mill Div.," Jan., p 34
Sallinen, J.; Johansson, L-G.; and Mantyla, P.T.—"Novel Method to Eliminate Reheating Furnace Skidmarks," June, p 31
Sander, R.; Kouma, S.; Schmidt Jr., J.M.; Player, R.E.; and Quigley, K.G.—"Continuous Vibration Monitoring of a 10-Stand Rod Block," Jan., p 44
Schmidt Jr., J.M.; Player, R.E.; Quigley, K.G.; Sander, R.; and Kouma, S.—"Continuous Vibration Monitoring of a 10-Stand Rod Block," Jan., p 44
Schrama, R.A.; Cooley, D.R.; Lantz, T.L.; Lauer, D.A.; McCoy, D.D.; McDowell, R.; Totten, C.A.; and Smith, M.L.—"Ask the Experts—Bearing, Lubrication and Hydraulic Questions," June, p 62
Schreiter, T.; Deppner, K-H.; Bader, J.; Noerthemann, R.; and Cotchen, J.K.—"Upgrade of EAF Productivity at Aceria Compacta de Bizkaia," Mar., p 55
Schueller, R.H.; Bartels-vonVarnbüler, C.; and Peters, M.—"OxiCup Process for Recycling Steel Mill Waste Oxides," May, p 49
Scott, L.E., and Wachter, J.G.—"Improving Capital Effectiveness Through Culture Change," Oct., p 60
Sellan, R., and Fior, A.A.—"EAF Hot Metal Processing at Integrated Steel Plants," Mar., p 20
Shah, R.; Gass, R.; Knoepke, J.; Moscoe, J.; Ashburn, R.; Beck, J.; Ponikvar, P.; Fotakis, G.; Arzberger, J.; and Rzepczyk, M.—"Going Straight—The Vertical bending Conversion Concept for the 2-Strand Slab Caster at Ispat Inland," Sept., p 53
Shanahan, B., and Mawhinney, S.R.—"Improving Flow Measurement in the Steel Industry," Apr., p 39
Shepherd, D.; Easlick, J.; Finn, M.R.; Botyrius, M.B.; and Landy, C.A.—"Electrical Modernization of Dofasco's Tinplate Process Lines," Nov./Dec., p 43
Shore, T.M.; Riches, P.; and Plante, K.—"High-Speed Shear for Increased Profitability," Feb., p 48
Simpson, R.P.—"Pickle Line Tandem Cold Mill Fire Recovery Project at USS-Posco Industries," Nov./Dec., p 60
Smith, H.; Bischof, K.; and Evans, D.—"Plain Journal and Tilting Pad Bearing Damage—Analysis, Corrective Action and Alternative Solutions," Oct., p 51
Smith, M.L.; Cooley, D.R.; Lantz, T.L.; Lauer, D.A.; McCoy, D.D.; McDowell, R.; Schrama, R.A.; and Totten, C.A.—"Ask the Experts—Bearing, Lubrication and Hydraulic Questions," June, p 62
Spiess, J.S.; Hoedl, H.; Wimmer, F.; Mayrhofer, F.K.; Hartmann, G.; Dengler, J.M.; and Baumann, H.—"Beam Blank Casting Technology," Sept., p 26
Spindler, G.; Helekal, G.; Luftensteiner, R.; Reigler, C.; and Aigner, H.—"Automatic Vibration Analysis and Trending for Complex Drives," Oct., p 43
Spinelli, D., and Weir, B.J.—"Laser Alignment for the Caster Machine Repair Aisle," Jan., p 46
Statham, T.R., and Fabris, C.P.—"Finishing Mill Upgrades for High-Speed Rod Mills," Feb., p 45
Stohl, K.D.; Wendong, S.; Bettinger, D.; and Straka, G.—"Sinter Plant Automation at Wuhan Iron and Steel," May, p 36
Stoner, D.A.; Karpeal, R.J.; and Williams, J.—"Topside Rehabilitation of B Battery at Clairton Works," July/Aug., p 51
Straka, G.; Stohl, K.D.; Wendong, S.; and Bettinger, D.—"Sinter Plant Automation at Wuhan Iron and Steel," May, p 36
Svejkovsky, U.—"Newest Technologies for Economical Sections Production," Feb., p 33

T

Takahashi, M.; Adachi, A.; Takaoka, S.; Chikushi, I.; Kozaki, M.; and Kurahashi, R.—"Ultrafine Grained Steel Production at the New Nakayama Hot Strip Mill," June, p 42
Takaoka, S.; Chikushi, I.; Kozaki, M.; Kurahashi, R.; Takahashi, M.; and Adachi, A.—"Ultrafine Grained Steel Production at the New Nakayama Hot Strip Mill," June, p 42
Thorn, H., and Brockway, C.—"Forced Coil Cooling for Optimized Coil Storage and Transportation," June, p 36
Totten, C.A.; Cooley, D.R.; Lantz, T.L.; Lauer, D.A.; McCoy, D.D.; McDowell, R.; Schrama, R.A.; and Smith, M.L.—"Ask the Experts—Bearing, Lubrication and Hydraulic Questions," June, p 62

V

Vaculik, V., and Quinn, S.L.—"Improving the Desulfurization Process Using Adaptive Multivariate Statistical Modeling," Oct., p 37
Veit, G., and D'Lima, P.F.X.—"Combining Stamp Charging with the Heat Recovery Process," July/Aug., p 24
Villemin, B., and Haissig, M.—"Hot Metal in EAFs," Mar., p 41
Volkert, A.; Lückhoff, J.; Bock, M.; Greinacher, J.; and Hamy, M.—"EAF Productivity—A Never-Ending Story," Mar., p 38

W

Wachter, J.G., and Scott, L.E.—"Improving Capital Effectiveness Through Culture Change," Oct., p 60
Walker, D.I.; Meszaros, G.A.; Estocin, J.G.; and Kemeny, F.L.—"Development and Application of the DepthWave™ Slag Depth Measuring System," Apr., p 20
Weir, B.J., and Spinelli, D.—"Laser Alignment for the Caster Machine Repair Aisle," Jan., p 46
Wendong, S.; Bettinger, D.; Straka, G.; and Stohl, K.D.—"Sinter Plant Automation at Wuhan Iron and Steel," May, p 36
Weschler, R.L., and Ferriola, J.J.—"The Castrip® Process for Twin-Roll Casting of Steel Strip," Sept., p 69
Wesselman, J.C., and Askins, C.W.—"Opacity Monitor and Method 9 Observations to Triboelectric Broken Bag Detector Signals on an EAF Baghouse," Apr., p 53
Williams, C.G.; Johnson, D.W.; Parker, H.E.; and McDonald, M.W.—"Batch Annealing Modernization at California Steel Industries," Nov./Dec., p 52
Williams, J.; Stoner, D.A.; and Karpeal, R.J.—"Topside Rehabilitation of B Battery at Clairton Works," July/Aug., p 51
Wimmer, F.; Hoedl, H.; Mayrhofer, F.K.; Spiess, J.S.; Hartmann, G.; Dengler, J.M.; and Baumann, H.—"Beam Blank Casting Technology," Sept., p 26
Wonsettler, J.W.—"2001 Reliability Achievement Award Winner—Supplier City Concept for Material Management and Support," Jan., p 41

AISE